



Bureau of Environmental Health
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Peter L. Beilenson, M.D., M.P.H., Health Officer

February 14, 2008

Heritage Realty and Land Development
15950 North Avenue
P.O. Box 482
Lisbon, Maryland 21765

RE: Walnut Creek Subdivision Lot 112
Well Tag: HO-95-1251

To Whom it May Concern:

A sample was collected from a yield test on October 10, 2007 and submitted to GPL Laboratories Inc., to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 8.1 ± 3.9 picocuries/liter (pCi/L); while the **Gross Beta** level was 1.6 ± 1.7 pCi/L. Both the **Gross Alpha** and **Gross Beta** were below the **maximum contaminant level (MCL)** of 15 pCi/L and the targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate of 4 millirems/year**).

At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing **for these parameters** will be required to secure the future Use & Occupancy. However, other standard testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

A handwritten signature in black ink that reads 'Bert Nixon' in a cursive script.

Bert Nixon, Director
Bureau of Environmental Health

cc: Barry Glotfelty, MDE Water Mgmt.
✓ Well & Septic File